

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR 2005/001908

A. CLASSIFICATION OF SUBJECT MATTER IPC <sup>7</sup> : D06F 37/40, D06F 23/06 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC <sup>7</sup> : D06F		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched --		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPODOC, WPI, PAJ, TXTN		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category <sup>a</sup>	Criterion of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 386 995 A1 (SANYO ELECTRIC CO. LTD.) 4 February 2004 (04.02.2004) <i>figure 1, paragraphs [0038] - [0040].</i>	1
A	--	42, 43, 46, 54
Y	US 5 865 047 A (YOON ET AL.) 2 February 1999 (02.02.1999) <i>figures 1, 3, column 2, line 20 - column 4, line 62.</i>	1
A	--	42, 43, 46, 54
A	US 6 176 108 B1 (BAE ET AL.) 23 January 2001 (23.01.2001) <i>figure 1, column 4, line 66 - column 6, line 42.</i>	1, 42, 43, 46, 54
<input type="checkbox"/> Further documents are listed in the continuation of Box C.		<input checked="" type="checkbox"/> See patent family annex.
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"B" earlier publication or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>		
<input type="checkbox"/> Date of the actual completion of the international search 29 August 2005 (29.08.2005)		<input type="checkbox"/> Date of mailing of this international search report 16 September 2005 (16.09.2005)
Name and mailing address of the ISA/AT <b>Austrian Patent Office</b> Dresdner Straße 87, A-1200 Vienna Facsimile No. +43 / 1 / 534 24 / 535		Authorized officer <b>WININGER B.</b> Telephone No. +43 / 1 / 534 24 / 480

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/KR 2005/001909

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP A 1386595			DE A1 2004172985 US A1 2004144136 CN A 1379143 CN A 1379142 TW B 5793999 WO A1 02081809	2004-05-09 2004-07-29 2002-11-13 2002-11-13 2001-03-11 2002-10-17
US A 5865047	1999-02-02		GB A 2312684 CN A 1167174 JP A 10033875	1997-11-05 1997-12-10 1998-02-10
US B1 6176108	2001-01-23		JP A 11244578 CN A 1224784 KR B1 268263	1999-09-14 1999-08-04 2000-10-16